

## IN THE SPECIFICATION

Please replace the abstract at page 31 with the following Replacement Abstract. A clean copy of the Replacement Abstract appears at the end of this paper.

### ABSTRACT

#### MICRO-SYSTEM FOR FILLING WITH MICRO-BEADS AND PROCESS FOR OBTAINING IT

The invention relates to a micro-system intended to receive beads and to obtain a precise positioning of said beads at preset locations in the micro-system. This micro-system comprises a tank (3) that has a cavity (4), said the cavity (4) being fitted with blocking elements (5) allowing the beads to be ordered and stacked in the interstices between the blocking elements (5), the interstices constituting said the preset locations. It also comprises a cap (7) anchored hermetically to the tank (3) and input means (8) and output means (9) allowing a fluid to flow in the cavity (4).

The invention also relates to the implementation and use of said the bead-filled micro-system.

~~Figure 1~~